VALUE ENGINEERING CHANGE PROPOSAL MISSOURI DEPARTMENT OF TRANSPORTATION

☐ Conceptual Proposal ☐ Final Proposal	Date 03/09/10
Contract ID 090522-623	Job No. <u>J6I2189</u>
County St. Louis City 70	Original Bid Cost \$4,435,377.86
Contractor Fred Weber, Inc.	By Michael Ax
Designed By	Phone (314) 344-0070
VECP# 10-22 (to be completed by C.O.)	VECP ☑ or PDVECP ☐
removed and replaced. The old wall is 12" the In leiu of removing and replacing the backward form and pour the new wall in front of the existing beam seat and will tie in to the existing the search and will the interval of the existing beam seat and will the interval of the existing beam seat and will the interval of the existing beam seat and will the interval of the existing beam seat and will the interval of the existing beam seat and will the interval of the existing beam seat and will the interval of the existing beam seat and will the existing the exis	Advantages/Disadvantages A01414 call for the wing walls of the bridge to be nick and it is being replaced with 12" of new concrete. all, we are offering to leave the existing wall in place the existing wall. The new wall will end at the end of the ing elevation of the top of the wall as shown on the wint towards the bridge and will match elevation "F"
2. Estimate of reduction in construction costs.	\$20,000
maintenance and operations. None 4. Anticipated date for submittal of detailed chan Specifications.	ge(s) of items required by Section 104.6 of the
	03/09/10
,	(daté)
5. Deadline for issuing a change order to obtain n contract completion time or delivery schedule.	naximum cost reduction, noting the effect of
03/15/10 Ready to 1	begin work. Willl work on a verbal agreement
(date)	(effect)
6. Dates of any previous or concurrent submission	n of the same proposal.
	N/A
(date	and/or dates)

** Portion Below This Line To Be Filled Out by MoDOT **

A01393, Sta. 907+79 Partial Removal of S (Line No. 1300), resp	al provides for a change in the existing abutments #1 & #4 mode 2.30 Rte 70 and Bridge A01414, Sta. 929+21.62 Rte 70. This substructure Concrete (Line No. 1050) and Partial Removal of sectively. Based on discussions with MoDOT's design consults concept proposal Final cost savings are currently under review Submitted By Resident Engineer	change will effect the Substructure Concrete tant (CMT), approval is
Comments:		
Approval Recommende	1 A my Chil	· 3/22/10
Rejection Recommended	District Engineer	Date
Comments:		
Approval Recommended Rejection Recommended	Federal Highway Administration	3/22/2010 Date
Comments:		
Approval	State Construction and Materials Engineer	3 · 22 · 10



"Ax, Michael J." <mjax@fredweberinc.com> 03/16/2010 05:04 PM To "John.Grana@modot.mo.gov" <John.Grana@modot.mo.gov>, "Michael.Litzau@modot.mo.gov

"Michael.Litzau@modot.mo.gov"
cc "Clark, Matthew R." <mrclark@fredweberinc.com>

bcc

Subject Cost Detail for Backwall changes

1 attachment



VE - Backwall Change Cost Detail Sheet.pdf.pdf

John.

Attached is the cost breakdown sheet for the changes to the backwall. I'd like to do it this way since it simplifies the contract changes. If you look at the overall package, it actually adds about 2.5 cy to the substructure for each bridge, and the Rebar will go down, however the steel for Madison is already sitting out onsite. I propose we make the changes on this item and pay plan on the other two. Let me know if you have any objections to doing it this way.

Thanks,

Michael Ax P.E.

General Manager
Iron Mountain Construction Services
Office - (314) 316-6154
Fax - (314) 316-6172
mjax@ironmountaintraprock.com

Value Engineering Eliminating the Removal of the Backwall

Bid Items As Bid

Line#s

Item #s

		7			
	Total For Proposal	1990		.	1050 1300
VE Proposal #'s Original Cost for Backwall Removal Revised Bid Items for Value Engineering Difference VE Split	oposal	2163502 Partial Removal of Substructure Concrete 2163502 Partial Removal of Substructure Concrete	Revised Bid Items to Reflect the Changes		2163502 Partial Removal of Substructure Concrete 2163502 Partial Removal of Substructure Concrete
40 40 40			o Refi		
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		£6 £6		•	10 10
	Cost Total	Unit Price 15,000.00 15,000.00		Bid Total	Unit Price 25,000.00 25,000.00
	€	60 60		40	₩ ₩
	30,000.00	Total 15,000.00 15,000.00		50,000.00	Total 25,000.00 25,000.00
	N C N	NEWALTON AT			

John V Grana/D6/MODOT 03/05/2010 01:22 PM To mjax@fredweberinc.com

cc Michael J Litzau/D6/MODOT@MODOT, James A Middleton/D6/MODOT@MODOT

bcc

Subject Re: Fw: Madison and St. Ave Wall Modifications

Mike,

Looks like we could entertain Option 2. Let us know how you would like to proceed. Thanks.

James A Middleton/D6/MODOT



James A Middleton/D6/MODOT 03/05/2010 08:15 AM

To John V Grana/D6/MODOT@MODOT

CC

Subject Fw: Madison and St. Ave Wall Modifications

CMT's response to wall modifications at Madison and St. Louis.

Jim Middleton, P.E.

MRB Project Manager
707 North 2nd Street
St. Louis, MO 63102

NEW PHONE NUMBER (314) 453-1840
email: James.Middleton@modot.mo.gov
----- Forwarded by James A Middleton/D6/MODOT on 03/05/2010 08:11 AM -----



Ron Breville rbreville@cmtengr.com 03/04/2010 02:11 PM

To "James.Middleton@modot.mo.gov" <James.Middleton@modot.mo.gov> cc Greg Law <glaw@cmtengr.com>

Subject RE: Madison and St. Ave Wall Modifications

Jim:

We have a couple concerns with option 1: The existing beam seat will remain exposed and the 6 inch step at the top of the existing retaining wall and the existing backwall will also remain. The exposed beam seat will probably become a maintenance issue? Aesthetics may need to be considered here. The fence alignment will be altered also.

Option 2 addresses the fence/wall alignment and fills the existing beam seat area outside of the proposed bridge. Option 2 probably provides a cleaner appearance over option 1. Let me know if you have any questions.

Ron

"Ax, Michael J." <mjax@fredweberin c.com>

03/03/2010 11:40 AM "'John.Grana@modot.mo.gov'"
<John.Grana@modot.mo.gov>

CC

To

"Clark, Matthew R." <mrclark@fredweberinc.com>

Subject

Madison and St. Ave Wall Modifications

John,

Here are some sketches for what Matt and I were talking about in the meeting last week.

Option 1 is to just dowel onto the existing backwall and extend it up to match existing on the one end and to match elevation F on bridge side. I estimate that there is about \$42,000\$ savings to do this.

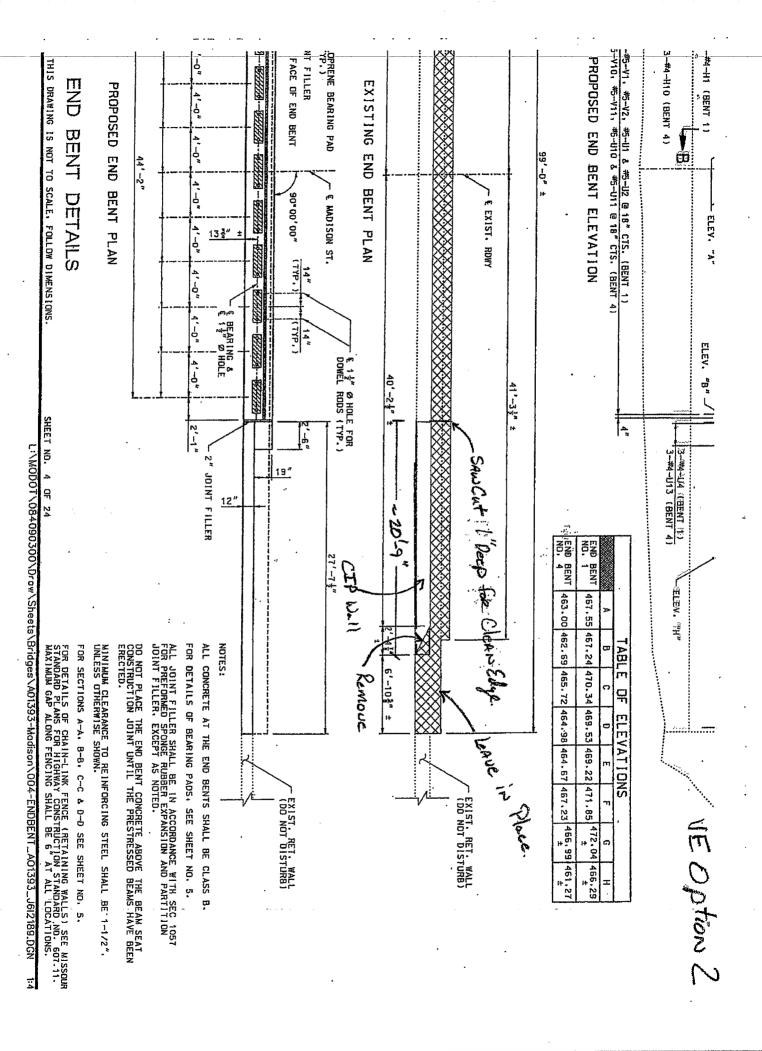
Option 2 is to leave the existing backwall and fill the void with concrete and extend it up to match the existing wall and elevation F on the bridge side. I estimate there will be approx \$15,000 dollars in savings for this method.

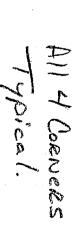
I haven't written up anything as far as an official proposal because I wanted to see which way you were interested in going. Call me if you have any questions, or let me know and I'll get the official submittal in. As you know, we're getting ready to do some of this work, so if you think either or both of the options will get hung up for any reason, let's move on to the next option or proceed as planned.

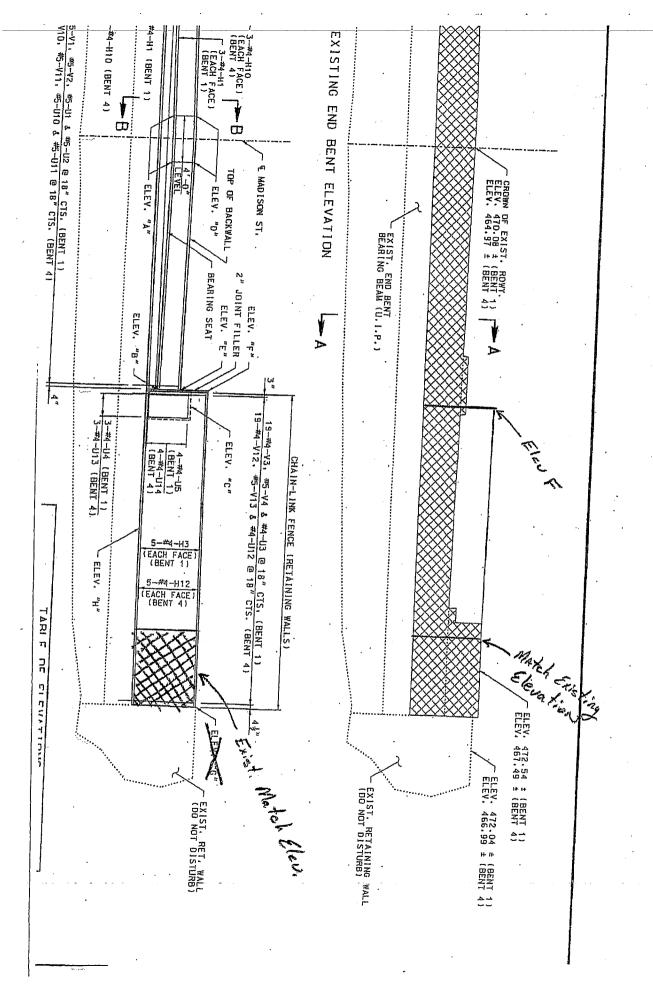
Thanks John...

Mike

(See attached file: VE Option 2.pdf) (See attached file: VE Option 1.pdf)







VALUE ENGINEERING CHECK SHEET

	Sections:
TYPE OF WORK (Check one that applies)	
Bridge/Structure/Footings Drainage Structures (RCP, RCB, CMP's, ect.) TCP/MOT Paving (PCCP, ect.) Grading/MSE Walls Signal/Lighting/ITS Misc.	
	160 × 16 × 6

	pro men contro
SUMMARY OF PROPOSAL (If needed, condense summary to a couple of lines)	
Leave in Place existing wing walls of existing bridge and pour around.	May year
	Testing .

S	CANNING OF DOCUMENT
TC 41 - managed to longer mlasses m	nark or make note, which pages need to be scanned into the database. I
there are special instructions, m	